Fig. 1a

AFPN


I. AFP gene or Identically functioning gene
II. Enterokinase recognition site: Asp Asp Asp Lys
gac gac gac aag
III. Cloning site: GCTCTAGAGGATCCATAGATCT
*Xba* I *Bam* HI stop *Bgl* II

Fig. 1b

AFPC


I. AFP gene or Identically functioning gene + TAGA TCT
stop *Bgl* II
II. Thrombin recognition site: Leu Val Pro Arg Gly Ser
c ctc gtt cca cga gga tct
III. Cloning site: CCATGGCTCTAGAGGATCCA
*Nco* I *Xba* I *Bam* HI I

Fig. 2a

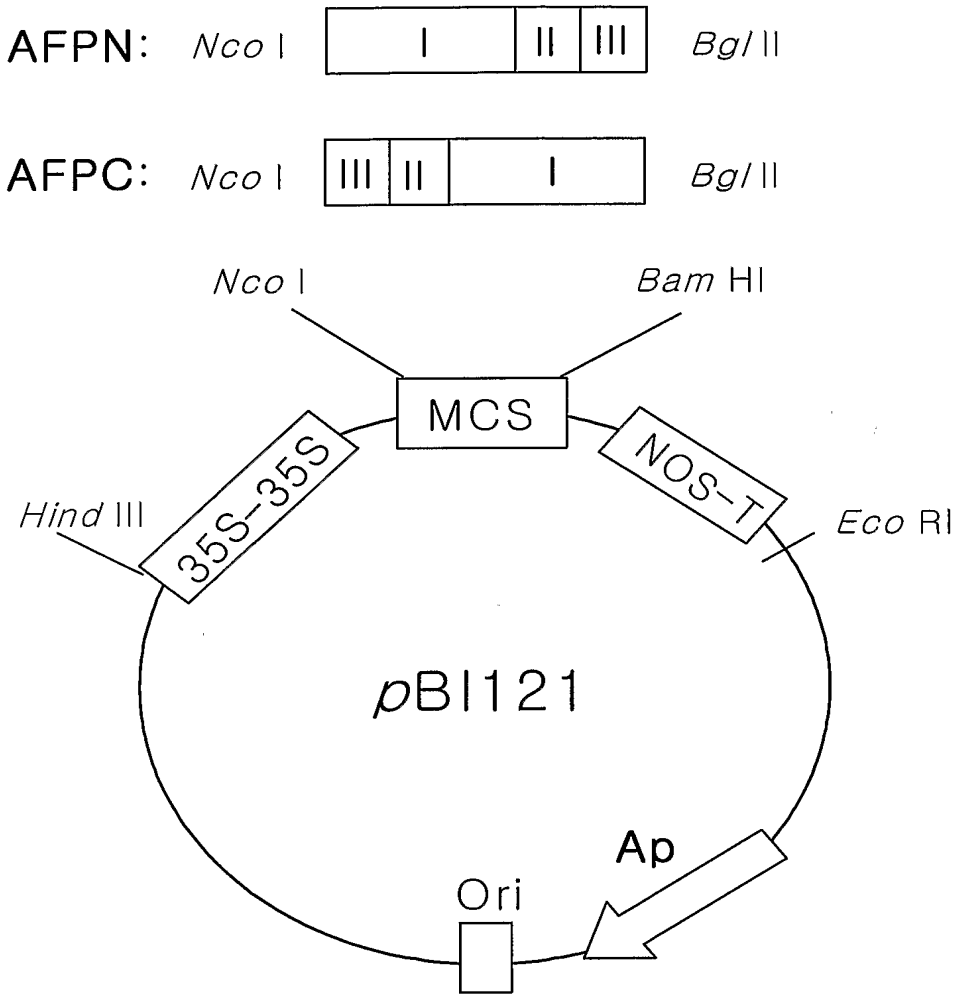

AFPN:
Nco I
I
II
III
Bgl II
AFPC:
Nco I
III
II
I
Bgl II
Nco I
Bam HI
MCS
35S-35S
NOS-T
Hind III
Eco RI
pBI121
Ap
Ori

Fig. 2b

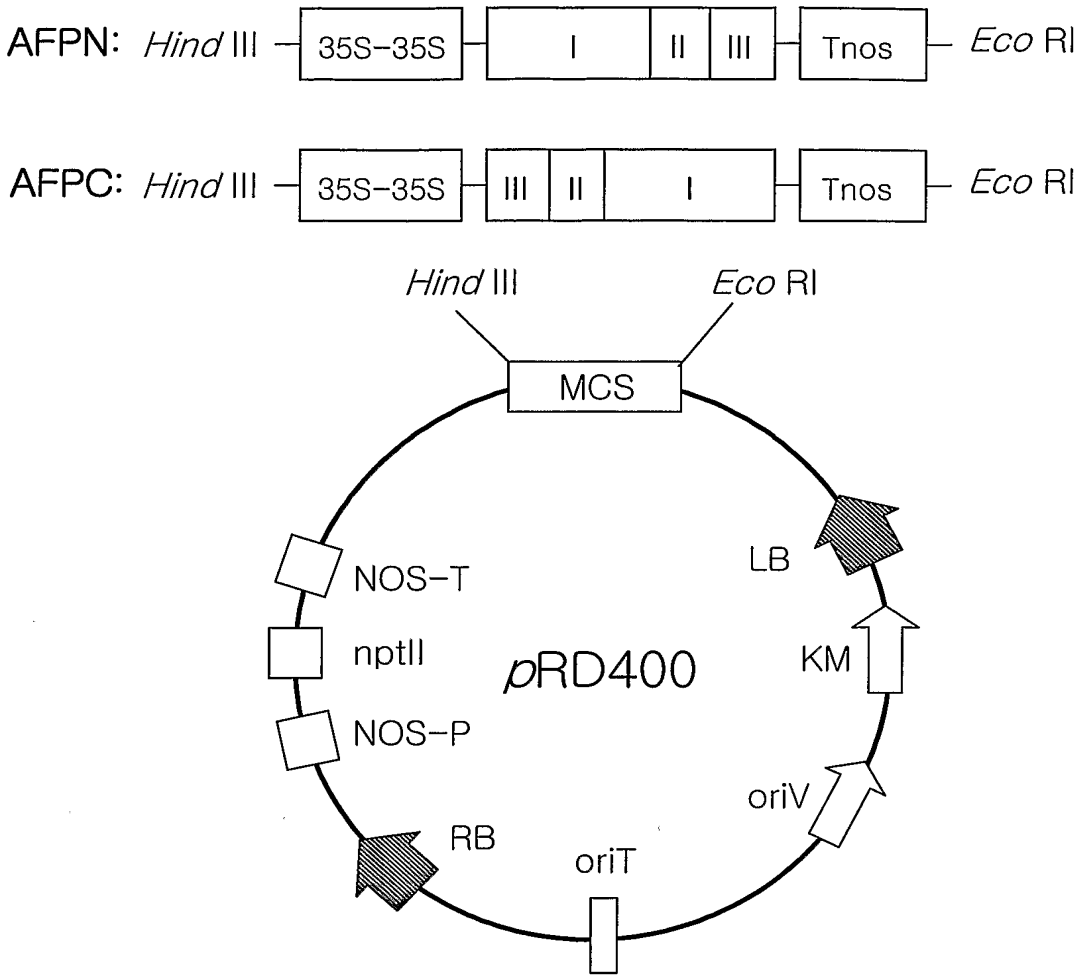
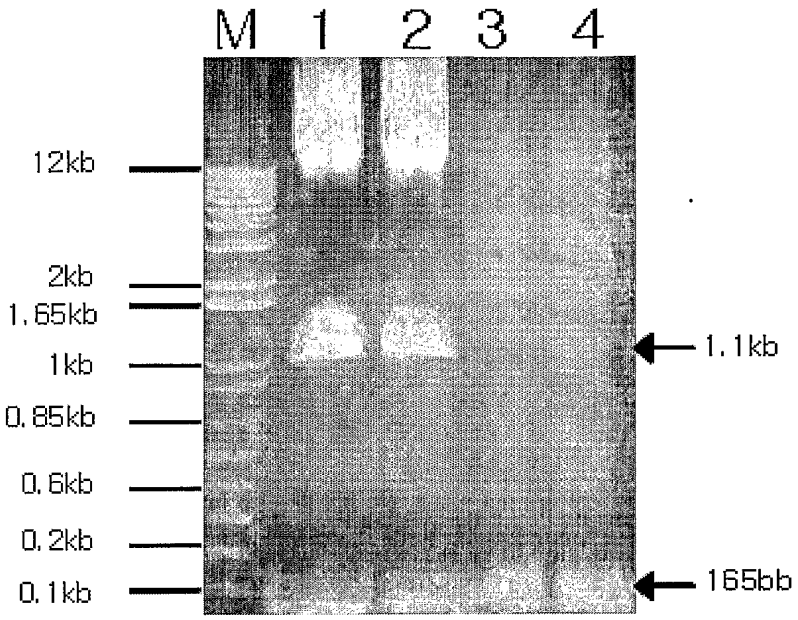
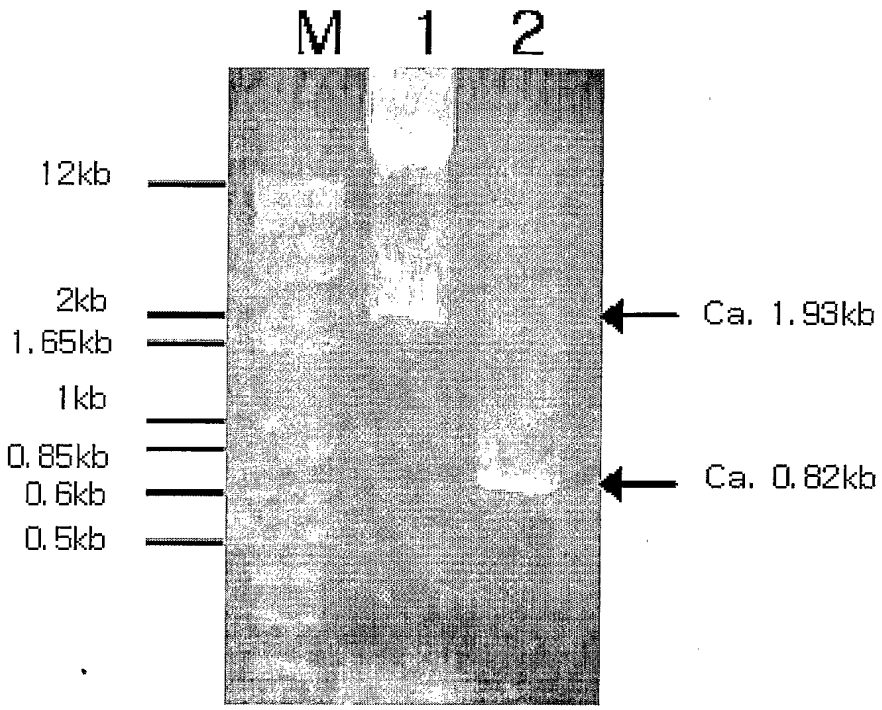

AFPN: Hind III
35S-35S
I
II
III
Tnos
Eco RI
AFPC: Hind III
35S-35S
III
II
I
Tnos
Eco RI
Hind III
Eco RI
MCS
NOS-T
nptII
NOS-P
RB
oriT
oriV
KM
LB
pRD400

Fig. 3




M: 1kb DNA ladder
1: pRD400AFPN(/HindIII, EcoRI)
2: pRD400AFPC(/HindIII, EcoRI)
3: AFPN PCR product
4: AFPC PCR product

Fig. 4




M: 1kb DNA ladder
1: *p*RD400AFPN-GFP
(/HindIII, EcoRI)
2: AFPN-GFP PCR product

Fig. 5

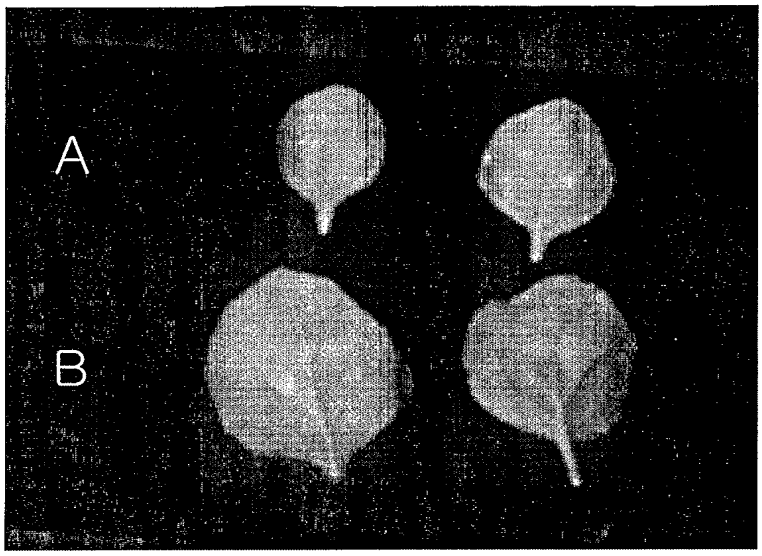
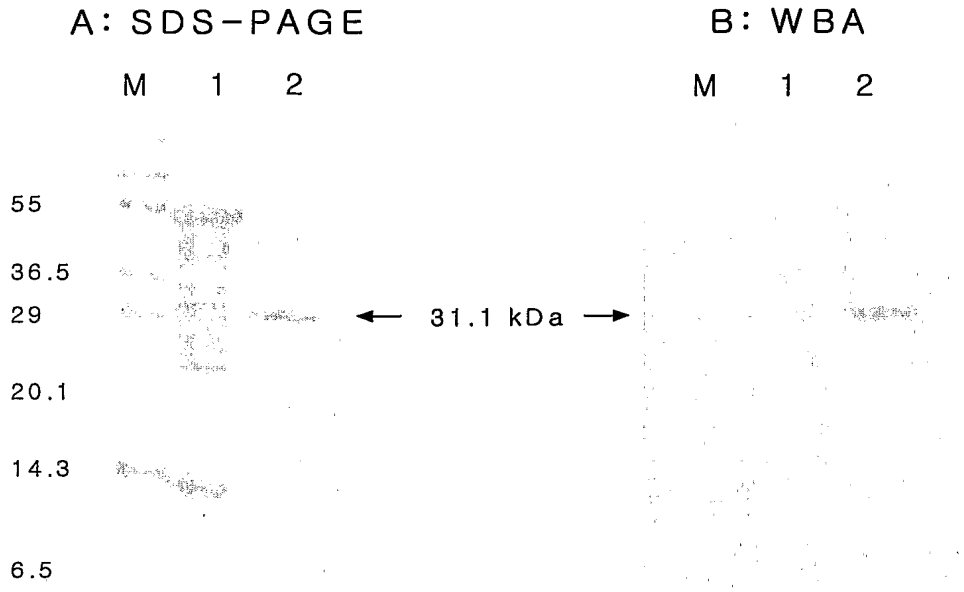
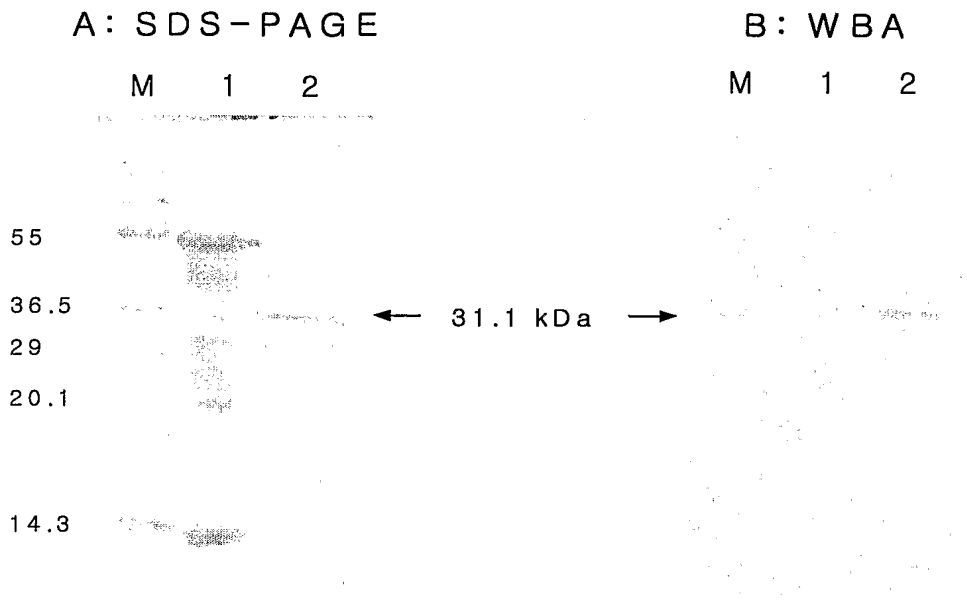


Fig. 6



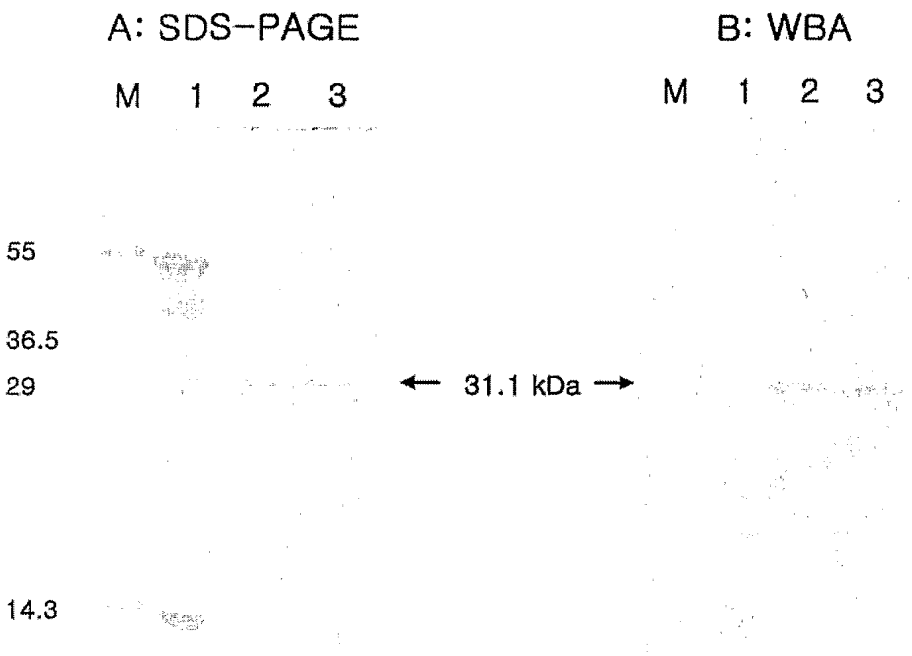

M : Molecular weight marker, 1 : Wt, 2 : AFP + GFP

Fig. 7



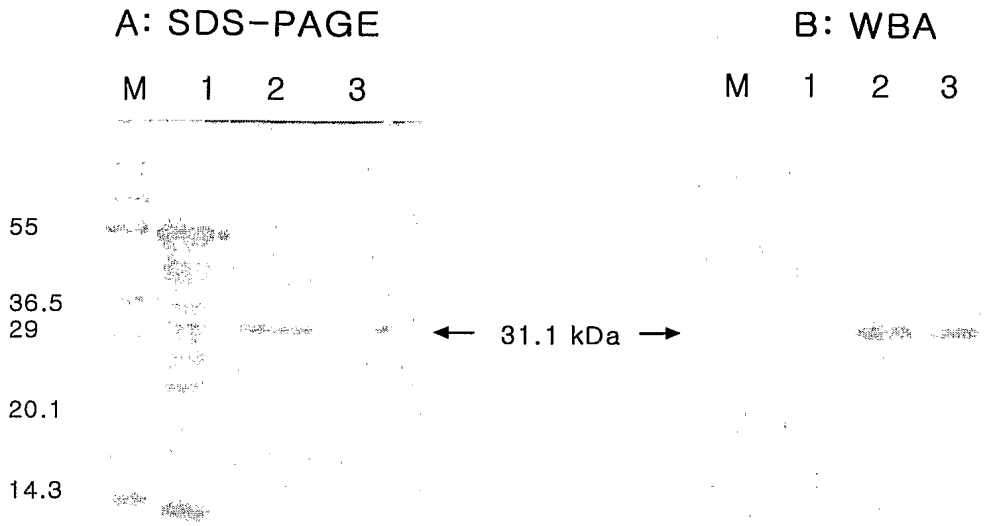

M : Molecular weight marker, 1 : Wt, 2 : AFP+GFP

Fig. 8



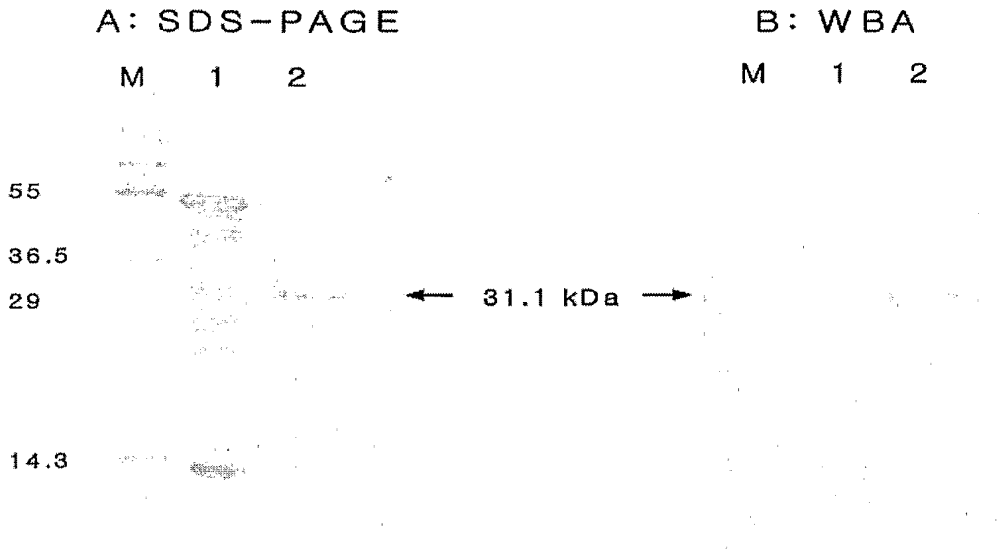

M : Molecular weight marker, 1 : Wt, 2 : AFP+GFP purified using silver iodide
3 : AFP+GFP purified using Pseudomonas syringe as ice-nucleation material

Fig. 9




M : Molecular weight marker, 1 : Wt, 2 : 250 mM Sucrose, 3 : 15% Sucrose

Fig. 10




M : Molecular weight marker, 1 : Wt, 2 :AFP+GFP purified using a device

Fig. 11

MDAPAKAAAK TAADAKAAAA KTAADALAAA NKTAAAAKAA AK